Thermochimica Acta, 195 (1992) 403–404
Elsevier Science Publishers B.V., Amsterdam

AUTHOR INDEX

Aba, B. 195, 211
Abdel-Aal, A. 287
Abdel-Kader, M.M. 313
Abosehly, A.M. 313
Acevedo, I.L. 129
Allan, J.R. 343
Arancibia, E.L. 129
Arriortua, M.I. 95

Bernal A., L. 33
Boddington, T. 365
Bogdanić, G. 351
Brzyska, W. 149
Bukovec, P. 73

Canale, P.L. 5
Cárdenas T., G. 33
Čerič, B. 73
Charsley, E.L. 399, 65
Chaudury, B. 1
Chia, H.A. 365
Compton, D.A.C. 5
Criado, J.M. 163
Cuevas-Diarte, M.A. 261

Dharwadkar, S.R. 177
Dixit, R. 169
Dyer, A. 105

Egiebor, N.O. 183
El-Kabbany, F. 313
El-Sharkawy, A.A. 313
Elshafie, A. 287

Farrington, S. 231
Feng, H. 365
Fleš, D. 351
Fresta, M. 139
Funato, M. 51

Garg, B.S. 169
Ghardashkhani, S. 113
Gospodinov, G.G. 395
Grasso, D. 139
Gurova, K.M. 395

Haget, Y. 261
Halford-Maw, P. 365
Hernandez, E. 95
Hill, J.O. 65
Hilpert, K. 177
Hu, R. 157
Hua, W. 389

Illeková, E. 195, 211
Insausti, M. 95
Itoh, E. 329, 51

Johnson, D.J. 5
Jordanovska, V. 21, 27

Katz, M. 129
Kirss, H. 85
Kobertz, D. 177
Kudryavtseva, L. 85
Kuhnast, F.A. 195, 211
Kurešević, V. 351
Kuus, M. 85

Labrador, M. 261
La Rosa, C. 139
Laye, P.G. 365, 399
Lindqvist, O. 113
Lowery, M.S. 373
Lu, L. 389

Marković, M.M. 303
Martin-Gil, F.J. 251
Martin-Gil, J. 251
Matos, J.R. 39
Matos, J.S. 321
Meira Da Silva, E. 39
Miguel, J.L. 251
Milonjić, S.K. 303
Mondieig, D. 261
Morcellet, M. 277, 335
Moukwa, M. 231

Nicholas, P. 65
Noguchi, M. 239

Ortega, A. 163
Ortega, J. 321
Otaigbe, J.U. 183
Ożga, W. 149

Pant, V. 1
Paton, A.D. 343
Peña, J.A. 321
Puglisi, G. 139

Qu, S.-S. 297

Ramachandran, V.S. 373
Reich, L. 221
Rojo, T. 95

Saghal, M.A. 105
Sanchez-Valiente, M. 251
Sawhney, S.S. 1
Saxena, V. 169
Šiftar, J. 21, 27
Sigüenza, A.F. 251
Siimer, E. 85
Slanina, Z. 45
Stevens, J.G. 389
Suzuki, M. 329, 51

Tagle D., L.H. 33
Taha, S. 313
Tahoon, K.K. 313
Takagi, T. 239
Turvey, K. 343

Uehara, A. 329, 51

Ventura, C. 139
Venugopal, V. 177
Vicentini, G. 39
Vuković, R. 351

Wang, X. 389
Warren, D.C. 399
Warrington, S.B. 65

Xie, C.-L. 297
Xie, Y. 157
Xie, W.-H. 297

Yamamoto, K. 51
Yang, T.-Q. 297
Yang, Z. 157
Youn, D. 231

Zhang, Y. 389
Zinner, K. 39
Zubillaga, J. 95

Thermochimica Acta, 195 (1992) 405–409
Elsevier Science Publishers B.V., Amsterdam

SUBJECT INDEX

Activated sulfur sorbents
In situ desulfurization of coke by novel activated sulfur sorbents during combustion (Otaigbe, Egiebor) 183
Alkali metal
Thermal studies on MFI zeolites.. Part 1. Alkali metal and related exchanged forms of ZSM-5 (Dyer, Saghal) 105
Alum
Electrical properties of pure and doped ammonium alum (Elshafie, Abdel-Aal) 287
Amino acid
Thermodynamics of copper binding with some polycarboxylic acids derived from natural amino acids (Morcellet) 335
Ammonium alum
Electrical properties of pure and doped ammonium alum (Elshafie, Abdel-Aal) 287
Antimony(III) oxide
Thermal decomposition of the mixture of antimony(III) oxide and tin(II) chloride (Čerič, Bukovec) 73

Bacillus
Measurement of multiplication rate of *Bacillus* sp. NTT-61 growth and study on its thermodynamic properties (Xie et al.) 297
Benzene
The application of DSC to the study of phase segregation during the thermal cycling of *para*-dihalosubstituted derivatives of benzene and their alloys (Labrador et al.) 261
Biosynthesis
DSC study of a metabolic pathway (biosynthesis of pineal indoles) (Sanchez-Valiente et al.) 251
n-Butyl-1-butanamine
Excess viscosities and thermodynamics of viscous flow of *n*-butyl-1-butanamine with chloroalkanes at 298.15 K (Acevedo et al.) 129

$CaCO_3$
A study of the influence of particle size on the thermal decomposition of $CaCO_3$ by means of constant rate thermal analysis (Criado, Ortega) 163

Calcium oxide
The influence of carbon monoxide on the reaction between sulphur dioxide and calcium oxide (Ghardashkhani, Lindqvist) 113
$Ca(OH)_2$
Determination of $Ca(OH)_2$ in hydrated cement paste by differential scanning calorimetry (Moukwa et al.) 231
Carbon monoxide
The influence of carbon monoxide on the reaction between sulphur dioxide and calcium oxide (Ghardashkhani, Lindqvist) 113
Cement
Determination of $Ca(OH)_2$ in hydrated cement paste by differential scanning calorimetry (Moukwa et al.) 231
Conduction calorimetric investigation of the effect of retarders on the hydration of Portland cement (Ramachandran, Lowery) 373
Chitosan
Thermogravimetric studies of chitosan derivatives (T. et al.) 33
Chloroalkanes
Excess viscosities and thermodynamics of viscous flow of *n*-butyl-1-butanamine with chloroalkanes at 298.15 K (Acevedo et al.) 129
CO_2
An evaluation of $CO_2/(CO_2)_2$ equilibrium populations in the planetary atmosphere close to the surface of Mars or Venus (Slanina) 45
Coke
In situ desulfurization of coke by novel activated sulfur sorbents during combustion (Otaigbe, Egiebor) 183
Copolymer
Miscibility study of the alternating copolymers of α-methylstyrene with maleimides in blends with PS, PPO or sulphonylated PPO (Vuković et al.) 351
Copper
Thermodynamics of the copper complexation of a polyelectrolyte derived from lysine (Morcellet) 277
Thermodynamics of copper binding with some polycarboxylic acids derived from natural amino acids (Morcellet) 335

cis-[$CrCl_2$([15]aneN_4)]SCN
Thermal isomerization of *cis*-[$CrCl_2$([15]-aneN_4)]SCN in the solid state (Itoh et al.) 329

Database
Use of databases in thermal analysis. Part 3 (Reich) 221

Decomposition
Thermal decomposition of unsupported and supported $Sn_3[Fe(CN)_6]_4$ in air (Lu et al.) 389

Desulfurization
In situ desulfurization of coke by novel activated sulfur sorbents during combustion (Otaigbe, Egiebor) 183

[Diaqua bis(2-hydroxy-1,4-naphthalenedionato)]-copper(II)·0.25H_2O
Thermal studies on [diaqua bis(2-hydroxy-1,4-naphthalenedionato)]copper(II)·0.25H_2O (Sawhney et al.) 1

Double sulphates
Double sulphates of rare earths(III) with trimethylammonium. Part 1. Synthesis and thermal behaviour of $(CH_3)_3NHLn(SO_4)_2 \cdot 3H_2O$ (Jordanovska, Šiftar) 21
Double sulphates of rare earths(III) with trimethylammonium. Part 2. Synthesis and thermal decomposition of $[(CH_3)_3NH]_3Ln(SO_4)_3 \cdot 4.5H_2O$ (Jordanovska, Šiftar) 27

Electrolyte
Characteristic performances of a Thermometric (LKB) multichannel microcalorimeter and its use for determination of heats of mixing of concentrated electrolytes (Marković, Milonjić) 303

Glass
Measurements of accurate specific heats of metallic glasses by differential scanning calorimetry (DSC). Part 1. Analysis of theoretical principles and accuracies of suggested measurement procedures (Illeková et al.) 195
Measurements of accurate specific heats of metallic glasses by differential scanning calorimetry (DSC). Part 2. Specific heat of $Fe_{73}Co_{12}B_{15}$ metallic glass from 300 to 1054 K (Illeková et al.) 211

Heat flux
Dynamic measurements by heat flux calorimetry (Boddington et al.) 365

Hydrated cement paste
Determination of $Ca(OH)_2$ in hydrated cement paste by differential scanning calorimetry (Moukwa et al.) 231

ICTA
An investigation of the ICTA certified reference materials for DTA as potential standards for the temperature calibration of thermomechanical analysis equipment (Charsley et al.) 65

Indole
DSC study of a metabolic pathway (biosynthesis of pineal indoles) (Sanchez-Valiente et al.) 251

Inert environment
The role of in situ reactive metal getters in the determination of phase equilibrium diagram in metallic systems (Venugopal et al.) 177

Isomeric alkynes
Measurement, correlation and prediction of binary vapour–liquid equilibria and enthalpies of mixing for systems containing isomeric alkynes (Kirss et al.) 85

Kinetic parameters
A new method to estimate kinetic parameters from a single non-isothermal DSC curve (Yang et al.) 157

Lanthanide complexes
Thermal decomposition of yttrium and lanthanide complexes with mephenamic acid (Brzyska, Ożga) 149

Lanthanoid picrate complexes
Synthesis, characterization and thermal properties of some lanthanoid picrate complexes with 4-picoline-*N*-oxide (4-picNO) (Vicentini et al.) 39

Lanthanon complexes
Evaluation of thermodynamic functions and stability constants of lanthanon(III) complexes with 1,2-naphthoquinone-2-thiosemicarbazone-4-sulphonic acid (sodium salt) (NQTS.4S) from potentiometric data (Garg et al.) 169

Lysine
Thermodynamics of the copper complexation of a polyelectrolyte derived from lysine (Morcellet) 277

Maleimides
Miscibility study of the alternating copolymers of α-methylstyrene with maleimides in blends with PS, PPO or sulphonylated PPO (Vuković et al.) 351

Mars
An evaluation of $CO_2/(CO_2)_2$ equilibrium populations in the planetary atmosphere close to the surface of Mars or Venus (Slanina) 45
Mephenamic acid
Thermal decomposition of yttrium and lanthanide complexes with mephenamic acid (Brzyska, Ożga) 149
Metabolic pathway
DSC study of a metabolic pathway (biosynthesis of pineal indoles) (Sanchez-Valiente et al.) 251
Metal getters
The role of in situ reactive metal getters in the determination of phase equilibrium diagram in metallic systems (Venugopal et al.) 177
Metallic glasses
Measurements of accurate specific heats of metallic glasses by differential scanning calorimetry (DSC). Part 1. Analysis of theoretical principles and accuracies of suggested measurement procedures (Illeková et al.) 195
Measurements of accurate specific heats of metallic glasses by differential scanning calorimetry (DSC). Part 2. Specific heat of $Fe_{73}Co_{12}B_{15}$ metallic glass from 300 to 1054 K (Illeková et al.) 211
Methyl *n*-alkanoates
Experimental and predicted mixing enthalpies for several methyl *n*-alkanoates with *n*-pentane at 298.15 K. Application of the UNIFAC model (Ortega et al.) 321
2-Methylpyrazine
Structural, thermal and electrical studies of some transition metal compounds of 2-methylpyrazine (Allan et al.) 343
α-Methylstyrene
Miscibility study of the alternating copolymers of α-methylstyrene with maleimides in blends with PS, PPO or sulphonylated PPO (Vuković et al.) 351
MFI zeolites
Thermal studies on MFI zeolites.. Part 1. Alkali metal and related exchanged forms of ZSM-5 (Dyer, Saghal) 105
Microcalorimeter
Characteristic performances of a Thermometric (LKB) multichannel microcalorimeter and its use for determination of heats of mixing of concentrated electrolytes (Marković, Milonjić) 303
Mixed oxides
Thermal decomposition study of some complexes, precursors of mixed oxides, with formula $MM'(L)\cdot nH_2O$ (M, M' = Bi, Pb, Sr, Ca and Cu; L = EDTA-like ligands) (Rojo et al.) 95
Multiplication rate
Measurement of multiplication rate of *Bacillus* sp. NTT-61 growth and study on its thermodynamic properties (Xie et al.) 297

1,2-naphthoquinone-2-thiosemicarbazone-4-sulphonic acid
Evaluation of thermodynamic functions and stability constants of lanthanon(III) complexes with 1,2-naphthoquinone-2-thiosemicarbazone-4-sulphonic acid (sodium salt) (NQTS.4S) from potentiometric data (Garg et al.) 169
Non-isothermal DSC curve
A new method to estimate kinetic parameters from a single non-isothermal DSC curve (Yang et al.) 157

Particle size
A study of the influence of particle size on the thermal decomposition of $CaCO_3$ by means of constant rate thermal analysis (Criado, Ortega) 163
Pentafluoropropyl alcohol
Ultrasonic speeds and thermodynamic properties for pentafluoropropyl alcohol, tetrafluoropropyl alcohol and trifluoroethyl alcohol under high pressures (Takagi, Noguchi) 239
n-Pentane
Experimental and predicted mixing enthalpies for several methyl *n*-alkanoates with *n*-pentane at 298.15 K. Application of the UNIFAC model (Ortega et al.) 321
Phospholipid
Phospholipid vesicles as a drug delivery system. Part I. Interaction of cytidine-5′-diphosphate choline with charged and zwitterionic phospholipids (La Rosa et al.) 139
Phospholipid vesicles
Phospholipid vesicles as a drug delivery system. Part I. Interaction of cytidine-5′-diphosphate choline with charged and zwitterionic phospholipids (La Rosa et al.) 139
Planetary atmosphere
An evaluation of $CO_2/(CO_2)_2$ equilibrium populations in the planetary atmosphere close to the surface of Mars or Venus (Slanina) 45
Polycarboxylic acid
Thermodynamics of copper binding with some polycarboxylic acids derived from natural amino acids (Morcellet) 335

Polyelectrolyte
Thermodynamics of the copper complexation of a polyelectrolyte derived from lysine (Morcellet) 277
Portland cement
Conduction calorimetric investigation of the effect of retarders on the hydration of Portland cement (Ramachandran, Lowery) 373
Potentiometric data
Evaluation of thermodynamic functions and stability constants of lanthanon(III) complexes with 1,2-naphthoquinone-2-thiosemicarbazone-4-sulphonic acid (sodium salt) (NQTS.4S) from potentiometric data (Garg et al.) 169
Proportionality
Proportionality between the extent of reaction and enthalpy (Charsley et al.) 399

Reference materials
An investigation of the ICTA certified reference materials for DTA as potential standards for the temperature calibration of thermomechanical analysis equipment (Charsley et al.) 65
Retarder
Conduction calorimetric investigation of the effect of retarders on the hydration of Portland cement (Ramachandran, Lowery) 373

Simultaneous DSC/FTIR
Applications of simultaneous DSC/FTIR analysis (Johnson et al.) 5
$Sn_3[Fe(CN)_6]_4$
Thermal decomposition of unsupported and supported $Sn_3[Fe(CN)_6]_4$ in air (Lu et al.) 389
Sodium hydrogen tartrate monohydrate
Electrical and calorimetric properties of sodium hydrogen tartrate monohydrate (Abdel-Kader et al.) 313
Sorbent
In situ desulfurization of coke by novel activated sulfur sorbents during combustion (Otaigbe, Egiebor) 183
Standards
An investigation of the ICTA certified reference materials for DTA as potential standards for the temperature calibration of thermomechanical analysis equipment (Charsley et al.) 65
Sulphur dioxide
The influence of carbon monoxide on the reaction between sulphur dioxide and calcium oxide (Ghardashkhani, Lindqvist) 113

Tellurite
Derivatographic investigation on the temperature enthalpy and entropy of the phase transformations of the tellurites of the p-elements from groups IIIA–VA of the periodic system (Gospodinov, Gurova) 395
Tetraazacycloalkanes
Preparation of chromium(III) complexes with a series of tetraazacycloalkanes, [12]aneN_4 to [16]aneN_4, and solid-state thermal isomerisation of *cis*-[$CrCl_2$([15]- or [16]ane-N_4)]$^+$ (Itoh et al.) 51
Tetrafluoropropyl alcohol
Ultrasonic speeds and thermodynamic properties for pentafluoropropyl alcohol, tetrafluoropropyl alcohol and trifluoroethyl alcohol under high pressures (Takagi, Noguchi) 239
Thermal decomposition
Thermal decomposition study of some complexes, precursors of mixed oxides, with formula MM′(L)·$n$$H_2O$ (M, M′ = Bi, Pb, Sr, Ca and Cu; L = EDTA-like ligands) (Rojo et al.) 95
Thermal isomerisation
Preparation of chromium(III) complexes with a series of tetraazacycloalkanes, [12]aneN_4 to [16]aneN_4, and solid-state thermal isomerisation of *cis*-[$CrCl_2$([15]- or [16]ane-N_4)]$^+$ (Itoh et al.) 51
Thermic cycling
The application of DSC to the study of phase segregation during the thermal cycling of *para*-dihalosubstituted derivatives of benzene and their alloys (Labrador et al.) 261
Thermomechanical analysis
An investigation of the ICTA certified reference materials for DTA as potential standards for the temperature calibration of thermomechanical analysis equipment (Charsley et al.) 65
Tin(II) chloride
Thermal decomposition of the mixture of antimony(III) oxide and tin(II) chloride (Čerič, Bukovec) 73
Transition metal
Structural, thermal and electrical studies of some transition metal compounds of 2-methylpyrazine (Allan et al.) 343
Trifluoroethyl alcohol
Ultrasonic speeds and thermodynamic properties for pentafluoropropyl alcohol, tetrafluoropropyl alcohol and trifluoroethyl alcohol under high pressures (Takagi, Noguchi) 239
Trimethylammonium
Double sulphates of rare earths(III) with

trimethylammonium. Part 1. Synthesis and thermal behaviour of $(CH_3)_3NHLn(SO_4)_2 \cdot 3H_2O$ (Jordanovska, Šiftar) 21
Double sulphates of rare earths(III) with trimethylammonium. Part 2. Synthesis and thermal decomposition of $[(CH_3)_3NH]_3Ln(SO_4)_3 \cdot 4.5H_2O$ (Jordanovska, Šiftar) 27

UNIFAC model
Experimental and predicted mixing enthalpies for several methyl *n*-alkanoates with *n*-pentane at 298.15 K. Application of the UNIFAC model (Ortega et al.) 321

Vapour–liquid equilibria
Measurement, correlation and prediction of binary vapour–liquid equilibria and enthalpies of mixing for systems containing isomeric alkynes (Kirss et al.) 85

Venus
An evaluation of $CO_2/(CO_2)_2$ equilibrium populations in the planetary atmosphere close to the surface of Mars or Venus (Slanina) 45

Viscous flow
Excess viscosities and thermodynamics of viscous flow of *n*-butyl-1-butanamine with chloroalkanes at 298.15 K (Acevedo et al.) 129

Yttrium complexes
Thermal decomposition of yttrium and lanthanide complexes with mephenamic acid (Brzyska, Ożga) 149